

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 (Currently amended). A digital file stored on a computer-readable medium, said digital file comprising:

- (a) a plurality of boxes containing data arranged in a manner consistent with the JPEG2000 specification and suitable to render an image when read by a computer;
- (b) at least one of said boxes being a metadata box; and
- (c) including information within said metadata box describing the content of said image, wherein said information provides user-interactivity with said image.

2 (Previously presented). The digital file of claim 1 wherein said information is in XML format.

3 (Previously presented). The digital file of claim 1 wherein said digital file is compliant with the JPEG2000 standard.

4 (Canceled).

5 (Currently amended). The digital file of claim [[4]] 1 wherein said information defines a boundary around interactivity ~~includes providing a bounding region~~ of a portion of said image that a user may interact with.

6 (Currently amended). The digital file of claim 5 wherein said boundary ~~bounding region~~ is rectangular.

7 (Currently amended). The digital file of claim 5 wherein additional information regarding the semantics of said content is associated with said portion ~~bounding region~~ of said image.

8 (Previously presented). The digital file of claim 1 wherein said information includes links to information external to said digital file.

9 (Previously presented). The digital file of claim 1 wherein said information includes voice annotation.

10 (Previously presented). The digital file of claim 1 wherein said information includes object boundary information.

11 (Previously presented). The digital file of claim 1 wherein said information includes textual information regarding the content of said image free from copyright information.

12 (Previously presented). The digital file of claim 1 wherein said information is MPEG-7 data.

13 (Previously presented). The digital file of claim 12 wherein said MPEG-7 data is compliant with the MPEG-7 specification.

14 (Previously presented). The digital file of claim 12 wherein said information includes binary data.

15 (Currently amended). A digital file stored on a computer-readable medium, said digital file comprising:

- (a) a plurality of boxes containing data arranged in a manner consistent with the JPEG2000 specification and suitable to render an image when read by a computer;
- (b) at least one of said boxes being a UUID box; and
- (c) including information within said UUID box describing the content of said image, wherein said information provides user-interactivity with said image.

16 (Previously presented). The digital file of claim 15 wherein said information is in XML format.

17 (Previously presented). The digital file of claim 15 wherein said digital_file is compliant with the JPEG2000 standard.

18 (Canceled).

19 (Currently amended). The digital file of claim ~~15~~ ~~48~~ wherein said information defines a boundary around interactivity includes providing a bounding region of a portion of said image that a user may interact with.

20 (Currently amended). The digital file of claim 19 wherein said boundary bounding region is rectangular.

21 (Currently amended). The digital file of claim 19 wherein additional information regarding the semantics of said content is associated with said portion bounding region of said image.

22 (Previously presented). The digital file of claim 15 wherein said information includes links to information external to said digital file.

23 (Previously presented ted). The digital file of claim 15 wherein said information includes voice annotation.

24 (Previously presented). The digital file of claim 15 wherein said information includes object boundary information.

25 (Previously presented). The digital file of claim 15 wherein said information includes textual information regarding the content of said image free from copyright information.

26 (Previously presented). The digital file of claim 15 wherein said information is MPEG-7 data.

27 (Previously presented). The digital file of claim 26 wherein said MPEG-7 data is compliant with the MPEG-7 specification.

28 (Previously presented). The digital file of claim 26 wherein said information includes binary data.

29 (Currently amended). A digital file stored on a computer-readable medium, said digital file comprising:

- (a) a plurality of boxes containing data arranged in a manner consistent with the JPEG2000 specification and suitable to render an image when read by a computer ; and
- (b) at least one of said boxes containing information that provides user-interactivity with said image, said user-interactivity comprising at least one of:
 - (i) defining a boundary around a portion of said image that said user may interact with;
 - (ii) providing voice annotation associated with a user-selectable region of said image; and
 - (iii) defining a boundary around a user-selectable portion of said image).

30 (Previously presented). The digital file of claim 29 further including information within at least one of a metadata box and a UUID box describing the content of said image wherein said information is in XML format.

31 (Previously presented). The digital file of claim 29 wherein said digital file includes a metadata box.

32 (Canceled).

33 (Previously presented). The digital file of claim 30 wherein said interactivity includes providing a bounding region of a portion of said image.

34 (Previously presented). The digital file of claim 33 wherein said bounding region is rectangular.

35 (Previously presented). The digital file of claim 33 wherein additional information regarding said content is associated with said bounding region of said image.

36 (Previously presented). The digital file of claim 30 wherein said information includes links to information external to said digital file.

37 (Previously presented). The digital file of claim 30 wherein said information includes voice annotation.

38 (Previously presented). The digital file of claim 30 wherein said information includes object boundary information.

39 (Previously presented). The digital file of claim 30 wherein said information includes textual information regarding the content of said image free from copyright information.

40 (Previously presented). The digital file of claim 29 wherein said MPEG-7 compliant description scheme includes binary data.

41-46 (Canceled)

47 (Currently amended). A digital file stored on a computer-readable medium, said digital file comprising

- (a) a plurality of boxes containing data arranged in a manner consistent with the JPEG2000 specification and suitable to render an image when read by a computer;
- (b) at least one of said boxes being a UUID box; and

- (c) including information within said UUID box indicating the location of binary data, within said file and not within said UUID box, associated with said image, wherein said binary data provides user-interactivity with said image, said user-interactivity comprising at least one of:
 - (i) defining a boundary around a portion of said image that said user may interact with;
 - (ii) providing voice annotation associated with a user-selectable region of said image; and
 - (iii) defining a boundary around a user-selectable portion of said image).

48 (Previously presented). The digital file of claim 47 wherein said information is in XML format.

49 (Previously presented). The digital file of claim 47 wherein said digital file is compliant with the JPEG2000 standard.

50 (Previously presented). The digital file of claim 47 wherein said information provides interactivity with said image.

51 (Previously presented). The digital file of claim 50 wherein said interactivity includes providing a bounding region of a portion of said image.

52 (Previously presented). The digital file of claim 51 wherein said bounding region is rectangular.

53 (Previously presented). The digital file of claim 51 wherein additional information regarding said image is associated with said bounding region of said image.

54 (Previously presented). The digital file of claim 47 wherein said information includes links to information external to said digital file.

55 (Previously presented). The digital file of claim 47 wherein said binary data includes voice annotation.

56 (Previously presented). The digital file of claim 47 wherein said binary data includes object boundary information.

57 (Previously presented). The digital file of claim 47 wherein said information includes textual information regarding the content of said image free from copyright information.

58 (Previously presented). The digital file of claim 47 wherein said information is MPEG-7 data.

59 (Previously presented). The digital file of claim 58 wherein said MPEG-7 data is compliant with the MPEG-7 specification.